

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 03/01623

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G09F13/20 G09F13/02 G09F13/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G09F G02B F21S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CH 256 732 A (KLINGNAUER HANS) 31 August 1948 (1948-08-31) page 1, right-hand column, line 47 - line 61 page 2, left-hand column, line 1 - line 33 figures 1,2	1-6, 10-14
X	US 5 398 170 A (LEE SONG S) 14 March 1995 (1995-03-14) column 5, line 56 -column 6, line 16 figure 1 --- -/-	1-6, 10-16

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

25 March 2004

Date of mailing of the international search report

02/04/2004

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PCT/CA 03/01623

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 89 02637 A (ERLENDSSON GUDNI ;HJALTASON THORGEIR DANIEL (DK)) 23 March 1989 (1989-03-23) page 2, line 35 -page 3, line 15 page 3, line 35 - line 37 page 5, line 15 - line 22 figures 1,3,4 -----	1,5,6
X	US 6 240 664 B1 (HJALTASON THORGEIR DANIEL) 5 June 2001 (2001-06-05) column 3, line 12 - line 22 column 3, line 36 - line 45 figures 1,4-6 -----	4,15,16
A	US 4 891 896 A (BOREN VERNIE A) 9 January 1990 (1990-01-09) cited in the application the whole document -----	1-16
A	EP 0 866 438 A (NAKAJIMA KENICHI) 23 September 1998 (1998-09-23) column 2, line 24 - line 45 figures 1,5 -----	1,4-6,9
X	EP 0 187 410 A (GLOBETECH LTD) 16 July 1986 (1986-07-16) page 9, line 26 - line 38 figure 2 -----	4

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA 03/01623

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
CH 256732	A	31-08-1948	NONE	
US 5398170	A	14-03-1995	CN 1078809 A , B	24-11-1993
WO 8902637	A	23-03-1989	DK 472987 A AU 2481788 A WO 8902637 A1	11-03-1989 17-04-1989 23-03-1989
US 6240664	B1	05-06-2001	GB 2304960 A , B US 5829177 A AT 187569 T AU 703553 B2 AU 6885396 A BR 9610147 A CA 2231334 A1 CN 1165363 A CZ 9800682 A3 DE 69605560 D1 DE 69605560 T2 EP 0848848 A1 ES 2143219 T3 WO 9709707 A1 GR 3032916 T3 HU 9903986 A2 JP 11512197 T NO 980992 A PL 325422 A1 PT 848848 T RU 2165650 C2	26-03-1997 03-11-1998 15-12-1999 25-03-1999 27-03-1997 21-12-1999 13-03-1997 19-11-1997 16-12-1998 13-01-2000 27-07-2000 24-06-1998 01-05-2000 13-03-1997 31-07-2000 28-03-2000 19-10-1999 30-04-1998 20-07-1998 30-06-2000 20-04-2001
US 4891896	A	09-01-1990	NONE	
EP 0866438	A	23-09-1998	JP 2900317 B2 JP 10292323 A DE 69805358 D1 DE 69805358 T2 EP 0866438 A2 US 6151821 A	02-06-1999 04-11-1998 20-06-2002 02-01-2003 23-09-1998 28-11-2000
EP 0187410	A	16-07-1986	GB 2168519 A AU 578773 B2 AU 5118585 A BR 8506241 A CN 85109775 A EP 0187410 A1 ES 8705610 A1 IN 166605 A1 JP 61160789 A MX 162098 A ZA 8509268 A	18-06-1986 03-11-1988 19-06-1986 26-08-1986 30-07-1986 16-07-1986 16-07-1987 09-06-1990 21-07-1986 27-03-1991 27-08-1986